## Appendix Table 3. Reviewed Empirical Evidence in the Academic Literature

Study Authors	Research Aim	Research Methods	Synopsis of Results and Conclusions
Andrews and Caren 2010 <sup>1</sup>	To understand why some social movement organizations are more successful than others at gaining media attention in the US.	Survey data from representative sample of 187 local environmental organizations in North Carolina. Complete news coverage of those organizations in 11 major daily newspapers over 2 years (2,095 articles).	Local news media favor professional and formalized groups that employ routine advocacy tactics, mobilize large numbers of people, and work on issues that overlap with newspapers' focus. Groups that are confrontational, volunteer led, or advocate on behalf of novel issues do not garner as much attention.
Baum et al. 2013 <sup>2</sup>	To understand how and why windows of opportunity on the SDH did or did not open during the tenures of the Australian health ministers.	Interviews with 20 former Australian federal, state, and territory health ministers.	The complexity of the SDH are rarely "crystallized" into a clear problem other than concerning high-needs groups.  Formulation of policies on SDH is assisted by cross-portfolio structures, policy entrepreneurs, and evidence from reviews and reports. Windows of opportunity are hindered by the complexity of the SDH, the dominance of medical power and biomedical paradigms, and the weakness of policy community advocating on the SDH.  The political stream is enabled when the general ideological climate is supportive of redistributive policies, the health sector is not perceived to be in crisis, and there is support for action from the head of government and cabinet colleagues and no opposition from powerful lobby groups.
Chilton et al. 2009 <sup>3</sup>	How photographic evidence and testimonials can be used as part of an advocacy project on poverty and hunger in the US.	Recruitment of young women. Interview with women on child and maternal health and involvement in welfare programs. Camera training session for women, followed by women taking photos. Follow-up semistructured and video-recorded	Photos, narratives, and testimonials provide a powerful means of demonstrating the living conditions of the young mothers and for redirecting policy discussion. Such materials can be used to explain living conditions within a human rights framework.

,		interview that used women's	
		photographs as a guide. Exhibition of	
		the materials and testimonies by	
		women during Senate Democratic	
		Steering and Outreach Committee.	
Clarke,	To understand how	Analysis of 58 narratives and 135	Images, especially graphs and charts, can link the SDH, health
Niederdeppe,	narrative and image-	visual images disseminated by 2	outcomes, and other variables.
and Lundell	based information help	national SDH awareness initiatives.	
$2012^4$	<u> </u>		There are several opportunities and challenges for using
	and mobilize support for		narratives to communicate about SDH and health disparities.
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	SDH in the US.		
			health issues. Narratives can also frame SDH as "villains" but
			should avoid blaming the victim.
Commers,	To understand whether	Content analysis of 600 randomly	
· ·	the factors that the Dutch	selected health-related articles	•
De Leeuw	press portrays as	appearing in five of the largest-	
$2000^{5}$	determinative for health	11 0	
	are congruent with the	_ <del>* *</del>	
	central tents of health		
	promotion.	· · · · · · · · · · · · · · · · · · ·	
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Corrigan et	To examine trends in US	U I	Thirty-nine percent of all stories focused on dangerousness and
	so as to ascertain when	1	
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Commers, Visser, and	raise public awareness and mobilize support for policies that address the SDH in the US.  To understand whether the factors that the Dutch press portrays as determinative for health are congruent with the central tents of health promotion.  To examine trends in US news media on reporting topics of mental illness,	Content analysis of 600 randomly	Narratives can have protagonists and plots. There are advantag and disadvantages of emphasizing generalized versus specific

			good-quality housing, and health insurance.
Harpham and	To analyze the use of	Summary of available evidence on	Evidence on burden of mental ill health in Vietnam is patchy and
Tuan 2006 <sup>7</sup>	evidence in policies for	burden of mental illness in Vietnam.	undeveloped. Policy process was influenced by evidence from
	mental health in	Attempts to influence policymakers.	research because key links between organizations and
	Vietnam.	Interviews with key stakeholders.	policymakers were established at an early stage, the evidence
			was regarded as rigorous, and the timing was opportune.
Havel 1992 <sup>8</sup>	To examine the actions	Questionnaire sent to national mental	Voluntary associations have unique and legitimate perspectives.
	of mental health	health organizations and public	Public education is an important adjunct of direct advocacy.
	associations and public	interest groups. Mapping of	Some groups may emerge and others disappear; thus, established
	interest groups operating	organizations to mental health issue	groups will face internal struggles to maintain aggressive
	at the federal level in the	area and organizations to priority	advocacy agendas while preserving past gains in which they are
	USA.	issues. Analysis of lobbying styles	vested. This will, in turn, open up space for younger
		(eg, maintaining strong presence on	organizations.
		Capitol Hill, grassroots advocacy	
		action).	
Kim et al.	To examine how causes	Identification of 3,823 articles	Coverage peaked in 1998 and declined afterward. Disparities in
$2010^9$	of and solutions to	published from 1996 to 2005 in 40	HIV/AIDS, cardiovascular disease, and cancer generated the
	racial/ethnic health	US newspapers. Coding of articles	most coverage. Most articles focused on African Americans.
	disparities are covered and framed in US	for diseases, racial/ethnical groups,	Only 200/ of onticles marrided covered and entitles advectors.
		causes and solutions (eg, genetic, behavioral, health care, societal	Only 30% of articles provided causal explanations; advocacy groups provided the most solutions. For both causes and
	newspapers.	1	solutions, behavioral explanations dominated the discourse,
		responsibility) and whether a social- justice rationale for eliminating	followed by societal, health care, and genetic explanations. Only
		racial/ethnic health disparities was	4% of articles invoked a social justice rationale.
		invoked.	470 Of afficies invoked a social justice fationale.
Lomas and	To study whether the	Review of evidence-based medicine	The clinical context and tools for evidence-based medicine can
Brown	principles and tools for	and models of research use in policy.	rarely be generalized to policy. Most current models of research
$2009^{10}$	bringing research into the	Interviews with civil servants at the	use offer lessons to researchers wishing to apply their work to
	clinical world apply to	Ontario Ministry of Health, which	policy, but little help for civil servants wishing to become more
	civil servants offering	adopted "a stewardship rather than	evidence oriented.
	advice to politicians. To	an operational role" incorporating	
	identify the approaches,	many evidence-oriented strategies.	There are functional roles for research in setting agendas,

Mackenbach, Meerding, and Kunst 2011 <sup>11</sup>	an evidence-oriented health policy organization can be used.  To explore the economic costs of socioeconomic inequalities in health in the European Union.	Calculate health losses due to socioeconomic inequalities in health using data on self-assessed health and mortality. Calculate various economic effects of those health losses: health care costs, costs of social security schemes, losses to GDP through reduced labor productivity, and the monetary value	developing new policies, and monitoring or modifying existing policies. Each requires different tools to help filter research evidence and set agendas, to facilitate the use of research by civil servants developing new policy, and to support linkage and exchange between civil servants and researchers.  Economic costs of socioeconomic inequalities in health in the EU are substantial: 700,000 deaths per year and 33 million prevalent cases of ill health. These costs account for 20% of the total cost of health care and 15% of the total cost of social security benefits. Inequality-related losses to health reduce labor productivity and take 1.4% off GDP each year. The monetary value of health inequality related welfare losses is estimated to be €980 billion per year, or 9.4% of GDP.
Macnaughto n, Nelson, and Goering 2013 <sup>12</sup>	To illustrate the process by which motivation to address homelessness was leveraged into a pan- Canadian project.	of total losses in welfare.  Qualitative case study employing grounded theory and drawing on archival documents and interviews with 19 key informants involved in the conception of the project.	Policymaking does not follow a rational, linear process of knowledge translation/exchange, in which evidence-based "products" are brought forward to address objectively determined needs and then "placed into decision-making events." Instead, evidence-based policy making should be understood as being a result of "policy entrepreneurship," which entails taking advantage of windows of opportunity and helping bring together the "streams" of problems, politics, and policy ideas.
Nathan, Rotem, and Ritchie 2002 <sup>13</sup>	To examine the role of civil society groups in advocating for health equity and the capacities and conditions related to their success in Australia.	Qualitative case study, involving indepth unstructured interviews with 26 NGOs active in 3 important health policy debates. Use of grounded theory to direct data collection of analysis, and member checking to ensure soundness and build ownership of findings.	Effective advocacy is a dynamic process characterized by flexibility and opportunism within a framework of longer-term goals. Two main ways of working: in partnership and in conflict with government.  A number of domains for capacity were identified: being able to identify key issues and desired outcomes, having credibility (being independent, fair, and representative; having no vested interests), leadership, networking and relationship-building,

Nelson 1994 <sup>14</sup>	To describe the origins, goals, tactics, and outcomes of a coalition advocating for housing and community support programs for psychiatric consumers/survivors in	Collection of newspaper articles for a 6-year period of coalition's operation. Analysis and coding of minutes of meetings.	information management, communication, demand management, resources, and ability to critically reflect. NGOs can learn a great deal from one another, but there needs to be investment by governments, international agencies and NGOs themselves if advocacy for health equity is to be strengthened.  The coalition succeeded in playing a role in obtaining increased funding for housing and community support programs. A variety of tactics were undertaken: letter writing, meetings with politicians, and presentations, though it was not possible to tell which of these was most effective. The coalition was aided by preexistence of an organizational support base. This support base assisted in recruiting coalition members. Context (in changes to
Nutbeam and Boxall 2008 <sup>15</sup>	the US.  To explore the role of evidence in the public health policymaking process and to show how the ways in which public health problems are defined and measured influence policy outcomes.	Analysis of Blair Labour UK government and Howard Coalition Australian governments' responses to health inequalities.	political climate) was important to obtaining more funding.  Long-established political traditions were important to both sets of policy responses. Researchers can maximize the influence of research evidence on the policy process by engaging in the policymaking process, presenting research in ways that fit with the political context of the day, and, when necessary, using research evidence in public health advocacy in order to influence political priorities more directly.
Orton et al. 2011 <sup>16</sup>	To explore the experiences of decision makers involved in policies to reduce health inequalities in the UK.	Taking cardiovascular disease as a case study, in-depth qualitative study employing 40 semistructured interviews and 3 focus group discussions.	Short-term and outcome-led culture of the UK National Health Service combined with public demand for acute medical services often led to investment in "downstream" rather than "upstream" public health interventions. Despite public health decision makers wishing to redress this balance, they felt constrained by difficulties in partnership working and the overriding influence of other stakeholders in the decision-making processes.  Researchers have a vital role to play in providing the complex evidence required to compare different models of prevention and

			service delivery. Those working in public health must develop leadership to raise the profile of health inequalities as an issue that merits attention, resources, and workforce capacity. They must also advocate for central government to play a key role in shifting social norms.
Pavlish, Ho, and Rounkle 2012 <sup>17</sup>	To explore how nurses can expand beyond individual care and promote a rights-enabling environment.	Ethnography in Rwanda.	By adopting a rights-based approach to advocacy, nurses can contribute to health agendas that include more than just social relationships, equitable access to opportunities, and health-positive living situations for all persons.
Petticrew et al. 2004 <sup>18</sup>	To explore with UK and international policy advisers how research evidence influences public health policymaking and how its relevance and utility could be improved, with specific reference to health inequalities.	Qualitative residential workshop involving senior policy advisers. Four in-depth sessions on focused questions. Responses analyzed thematically to identify key themes.	Much etiological and evaluative research lacks an equity dimension. Much public health research has weak theoretical underpinnings.  There is a need for predictive research, evaluations of the effectiveness and cost-effectiveness of policies and other interventions, predictive research, and for the development of methods for assessing the impact on health of clusters of interventions.
Pittman 2006 <sup>19</sup>	To understand the complex relationships between health equity research and health policy.	Six case studies in United States, the United Kingdom, the Netherlands, China, South Africa, and Chile, consisting of stories describing a national experiences involving the use (or non-use) of health equity research to influence policy or practice. Comparison and analysis of a heterogeneous set of papers.	Domestic advocacy, the international standing of researchers, and the existence of internal government champions contribute to governments' interest in research on health equity. Strategies used by researchers to promote their findings included carefully crafting messages and selecting messengers in accordance with their audience's concerns, delaying publication until interactions with policymakers had taken place, and monitoring public opinion. Most findings crossed the developing/developed country divide, though greater attention was paid to professional legitimacy of institutions, individuals, and journals in the north, while in developed countries trusted messengers appeared essential.

2009 <sup>20</sup> of "cameo" reports of evidence-based policies and interventions addressing the SDH intended for use by leaders, advocates, and policy and program decision makers to advance global action.  Roos et al. 2010 <sup>21</sup> To describe insights into children's well-being and social equity obtained from data available in Manitoba, Canada.  Analysis of Manitoba-linked data dating back to 1970 for each provincial resident. Integration of routinely collected data from the Ministries of Health, Education, and Family Services and Consumer Affairs with the population registry.  Ross 1992 <sup>22</sup> Ross 1992 <sup>22</sup> To identify success and failure of the Washington advocacy community and the role of coalitions.  To identify success and failure of the Washington advocacy community and the role of coalitions.	D ' ( ) 1	TD 1 '1 1 1	D 0' 1 1 0'	D' ( C'1 11, 1 d' d
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Shankardass et al. 2012 <sup>23</sup>	To investigate public awareness of incomerelated health inequalities in a generally representative sample of Ontarians.	Data collected from 2006 Ontario adults using a telephone survey. Survey asked participants to agree or disagree with various statements about income and health inequalities. Multistage process using binary	allowing collective strengths to overcome individual weaknesses.  Coalitions can work cooperatively or antagonistically with government.  This was the first province-wide study in Canada. The vast majority of respondents agreed that not all people are equally healthy, but only just over half were aware of health inequalities between rich and poor. Awareness of income-related inequalities for specific outcomes was much lower. Results suggest greater public awareness may be required to move the health equity
Shiffman and Smith 2007 <sup>24</sup>	To examine why some global health initiatives receive priority from international and national political leaders, whereas others receive little.	logistic regression.  Development of framework of 4 categories (actors involved, power of ideas used, nature of political context, characteristics of the issue itself). Application of framework to a global initiative to reduce maternal mortality launched in 1987. Archival research. Interviews with people connected with the initiative using process-tracing methods.	agenda forward.  The safe motherhood initiative has faced problems across all 4 areas of the framework. To generate political priority, advocates need to address several challenges. These include supporting the policy community on maternal health to speak with authority and unity to international and national political leaders, creating enduring guiding institutions to lead initiatives, finding external frames that resonate and convince political leaders, and building stronger links with national initiatives and CSOs.
Smith 2010 <sup>25</sup>	To explore the relationship between health inequalities research and policy in Scotland and England between 1997 and 2007.	Analysis of 42 policy statements. Interviews with 61 senior academic researchers, civil servants, ministers, journalists, and research funders involved in the interplay between health and health inequalities research.	The growing pressure to produce "policy-relevant" research diminishes the capacity of academia to provide a space in which innovative and transformative ideas can be developed and instead promotes construction of institutionalized and vehicular ideas. More attention should be paid to how the process of seeking research funding shapes academic research and mediates the interplay between research and policy.
Twill and Fisher 2010; <sup>26</sup>	To understand poverty through the lens of human rights violations in a small community in southwestern Ohio, USA.	Enlist individuals in receipt of social security by telephone. Educate 20 women and children about the Universal Declaration of Human Rights. Forty-five-minute interview	The women described situations in which work hours were not adequate, bills became problematic, and the cycle of poverty contributed to further economic human rights violations. Five women also discussed their hardships related to Article 23 and the inability to find adequate employment. The highest number

		focused on questions concerning	of violations related to health care. When asked to discuss the
		relevant human rights articles and	worst violation, 5 women cited homelessness. Social workers can
		discussion of the worst violations	advocate for changes in legislation, such as raising the minimum
		experienced. Quantitative and	wage, offering more generous family leave, supporting pensions,
		qualitative analysis.	and providing some form of universal health care.
Usdin,	To describe an advocacy	Description of the particularities of	The campaign stressed the importance of coalition building to
Christofides,	campaign in South Africa	the campaign including the South	draw on diverse organizational strengths, and the use of a
Malepe, and	in 1998 concerning the	African context, legislative history,	combination of advocacy tools including lobbying, media
Maker	implementation of a new	main protagonists in the	advocacy and social mobilization. The study highlighted the
$2000^{27}$	Domestic Violence Act.	development of the campaign, media	important role of policy advocates in connecting multiple streams
		outreach and use of media and	in the policy and legislative arena, and ensuring the views of civil
		television, and obstacles to the	society were taken into account.
		involvement of NGOs.	
Whitehead et	To investigate UK	Qualitative 2-day residential	Five types of evidence were particularly persuasive to
al. 2004 <sup>28</sup>	research leaders'	workshop with senior research	policymakers: observational evidence showing the existence of a
	perceptions and	leaders. Four in-depth sessions	problem, narrative accounts of the impacts of policies from the
	experiences of the types	focused on questions. Thematic	household perspective, controlled evaluations, natural policy
	of evidence that	analysis.	experiments, and historical evidence. There is a striking
	influence policy on		congruence between the view of researchers in this study and that
	health inequalities, and		of policy advisers in Petticrew et al. 2004. The findings suggest
	their reflections on how		significant potential for rapid progress to be made in developing
	the flow of such research		evidence-based policy and policy-relevant evidence to tackle
	evidence could be		inequalities in health.
	increased.		

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